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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	09/333,966
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)				Filing Date	June 16, 1999
				First Named Inventor	Guo-Liang
				Art Unit	1646
				Examiner Name	J. Ulm
Sheet	1	of	4	Attorney Docket Number	PF267D1

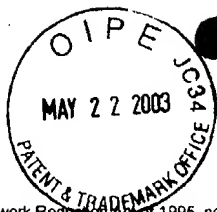
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AB	AA	5,349,052	09/20/1994	Delgado et al.	
AB	AB	5,478,925	12/26/1995	Wallach et al.	
AC	AC	5,643,575	07/01/1997	Martinez et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
2	AD	WO 95/06058	03/02/1995	Royal Free Hospital School of Medicine		
2	AE	WO 95/10540	04/20/1995	Immunex Corporation		
2	AF	EP 0 401 384 B1	12/12/1990	Kirin-Amgen, Inc.		
2	AG	WO 96/14328	05/17/1996	Human Genome Sciences, Inc.		
2	AH	WO 96/26736	09/06/1996	Ludwig Institute for Cancer Research and Helsinki Univ. Licensing Ltd., Oy		
2	AI	WO 96/34095	10/31/1996	Human Genome Sciences, Inc.		
2	AJ	WO 96/39515	12/12/1996	Human Genome Sciences, Inc.		
2	AK	WO 97/33899	09/18/1997	Human Genome Sciences, Inc.		
2	AL	WO 97/34911	09/25/1997	Human Genome Sciences, Inc.		
2	AM	WO 98/02543	01/22/1998	Chugai Research Institute for Molecular Medicine, Inc.		
2	AN	WO 98/06842	02/19/1988	Schering Corporation		
2	AO	WO 98/07832	02/26/1998	Ludwig Institute for Cancer Research and Helsinki Univ. Licensing Ltd., Oy		
2	AP	WO 98/07880	02/26/1998	Human Genome Sciences, Inc.		
2	AQ	WO 98/14565	04/09/1998	Immunex Corporation		
2	AR	WO 98/18921	05/07/1998	Human Genome Sciences, Inc.		
2	AS	WO 98/30693	07/16/1998	Human Genome Sciences, Inc.		
2	AT	WO 98/30694	07/16/1998	Human Genome Sciences, Inc.		
2	AU	WO 98/32466	07/30/1998	Polymasc Pharmaceuticals PLC		
2	AV	WO 98/41629	09/24/1998	Human Genome Sciences, Inc.		
2	AW	WO 98/49305	11/05/1998	Amgen, Inc.		
2	AX	WO 98/56892	12/17/1998	Human Genome Sciences, Inc.		
2	AY	EP 0 506 477 B1	09/30/1992	Merck & Co., Inc.		
2	AZ	WO 00/08139	02/17/2000	Human Genome Sciences, Inc.		
2	BA	CA 2,260,754	01/22/1998	Chugai Research Institute for Molecular Medicine, Inc.		

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Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of  
the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under  
WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		First Named Inventor	Guo-Liang Y
		Art Unit	1646
		Examiner Name	J. Ulm
		Attorney Docket Number	PF267D1
Sheet	2	of	4

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
✓	BB	Arend, W.P. et al., "Binding of IL-1 $\alpha$ , IL-1 $\beta$ , and IL-1 Receptor Antagonist by Soluble IL-1 Receptors and Levels of Soluble IL-1 Receptors in Synovial Fluids," <i>J. Immunol.</i> 153:4766-4774 (1994)	
✓	BC	Ashkenazi, A. et al., "Protection against endotoxic shock by a tumor necrosis factor receptor immunoadhesin," <i>Proc. Natl. Acad. Sci. USA</i> 88:10535-10539 (1991)	
✓	BD	Beutler, B. and Cerami, A., "Tumor Necrosis, Cachexia, Shock, and Inflammation: A Common Mediator," <i>Ann. Rev. Biochem.</i> 57:505-518 (1988)	
✓	BE	Boldin, M.P. et al., "A Novel Protein That Interacts with the Death Domain of Fas/APO1 Contains a Sequence Motif Related to the Death Domain," <i>J. Biol. Chem.</i> 270:7795-7798 (April 1995)	
✓	BF	Boldin, M.P. et al., "Involvement of MACH, a Novel MORT1/FADD-Interacting Protease, in Fas/APO-1- and TNF Receptor-Induced Cell Death," <i>Cell</i> 85:803-815 (June 1996)	
✓	BG	Caliceti, P. et al., "Biopharmaceutical Properties of Uricase Conjugated to Neutral and Amphiphilic Polymers," <i>Bioconjugate Chem.</i> 10:638-646 (August 1999)	
✓	BH	Chinnaiyan, A.M. et al., "FADD, a Novel Death Domain-Containing Protein, Interacts with the Death Domain of Fas and Initiates Apoptosis," <i>Cell</i> 81:505-512 (May 1995)	
✓	BI	Chinnaiyan, A.M. et al., "FADD/MORT1 Is a Common Mediator of CD95 (Fas/APO-1) and Tumor Necrosis Factor Receptor-induced Apoptosis," <i>J. Biol. Chem.</i> 271:4961-4965 (March 1996)	
✓	BJ	Corti, A. et al., "Identification of an Epitope of Tumor Necrosis Factor (TNF)-Receptor Type 1 (p55) Recognized by a TNF- $\alpha$ -Antagonist Monoclonal Antibody," <i>Lymphokine Cytokine Res.</i> 13:183-190 (June 1994)	
✓	BK	Delgado, C. et al., "The Uses and Properties of PEG-Linked Proteins," <i>Crit. Rev. Ther. Drug Carrier Systems</i> 9:249-304 (1992)	
✓	BL	Deng, B. et al., "An Agonist Murine Monoclonal Antibody to the Human c-Mpl Receptor Stimulates Megakaryocytopoiesis," <i>Blood</i> 92:1981-1988 (September 1998)	
✓	BM	Fiers, W. "Tumor necrosis factor," <i>FEBS Lett.</i> 285:199-212 (1991)	
✓	BN	Francis, G.E. et al., "PEGylation of cytokines and other therapeutic proteins and peptides: the importance of biological optimisation of coupling techniques," <i>Intl. J. Hematol.</i> 68:1-18 (July 1998)	

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		Examiner Name	J. Ulm
		Attorney Docket Number	PF267D1
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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✓	BO	Fu, M.L.X. <i>et al.</i> , "Characterization of anti-peptide antibodies directed against an extracellular immunogenic epitope on the human $\alpha_1$ -adrenergic receptor," <i>Clin. Exp. Immunol.</i> 97:146-151 (July 1994)	
✓	BP	Goeddel, D.V. <i>et al.</i> , "Tumor Necrosis Factors: Gene Structure and Biological Activities," <i>Cold Spring Harbor Symp. Quant. Biol.</i> LI:597-609 (1986)	
✓	BQ	Hahne, M. <i>et al.</i> , "APRIL, a New Ligand of the Tumor Necrosis Factor Family, Stimulates Tumor Cell Growth," <i>J. Exp. Med.</i> 188:1185-1190 (September 1998)	
✓	BR	Hsu, H. <i>et al.</i> , "The TNF Receptor 1-Associated Protein TRADD Signals Cell Death and NF- $\kappa$ B Activation," <i>Cell</i> 81:495-504 (May 1995)	
✓	BS	Hsu, H. <i>et al.</i> , "TRADD-TRAF2 and TRADD-FADD Interactions Define Two Distinct TNF Receptor 1 Signal Transduction Pathways," <i>Cell</i> 84:299-308 (January 1996)	
✓	BT	Hsu, H. <i>et al.</i> , "TNF-Dependent Recruitment of the Protein Kinase RIP to the TNF Receptor-1 Signaling Complex," <i>Immunity</i> 4:387-396 (April 1996)	
✓	BU	Hughes, D.P.M. and Crispe, I.N. "A Naturally Occurring Soluble Isoform of Murine Fas Generated by Alternative Splicing," <i>J. Exp. Med.</i> 182:1395-1401 (November 1995)	
✓	BV	Kischkel, F.C. <i>et al.</i> , "Cytotoxicity-dependent APO-1 (Fas/CD95)-associated proteins form a death-inducing signaling complex (DISC) with the receptor," <i>EMBO J.</i> 14:5579-5588 (November 1995)	
✓	BW	Malik, F. <i>et al.</i> , "Polyethylene Glycol (PEG)-modified Granulocyte-Macrophage Colony-stimulating Factor (GM-CSF) with Conserved Biological Activity," <i>Exp. Hematol.</i> 20:1028-1035 (1992)	
✓	BX	Morpurgo, M. <i>et al.</i> , "Covalent Modification of Mushroom Tyrosinase with Different Amphiphic Polymers for Pharmaceutical and Biocatalysis Applications," <i>App. Biochem. Biotech.</i> 56:59-72 (January 1996)	
✓	BY	Old, L.J. "Tumor Necrosis Factor," <i>Scientific American</i> 258:59-75 (1988)	
✓	BZ	Rothe, M. <i>et al.</i> "TRAF2-Mediated Activation of NF- $\kappa$ B by TNF Receptor 2 and CD40," <i>Science</i> 269:1424-1427 (September 1995)	
✓	CA	Stanger, B.Z. <i>et al.</i> "RIP: A Novel Protein Containing a Death Domain That Interacts with Fas/APO-1 (CD95) in Yeast and Causes Cell Death," <i>Cell</i> 81:513-23 (May 1995)	

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9	CB	Tartaglia, L. A. <i>et al.</i> , "Tumor Necrosis Factor's Cytotoxic Activity is Signaled by the p55 TNF Receptor," <i>Cell</i> 73:213-216 (1993)	
2	CC	Tewari, M. and Dixit, V.M. "Fas- and Tumor Necrosis Factor-induced Apoptosis Is Inhibited by the Poxvirus <i>crmA</i> Gene Product," <i>J. Biol. Chem.</i> 270:3255-3260 (February 1995)	
2	CD	Vorobjev, P. E. <i>et al.</i> , "Oligonucleotide Conjugated to Linear and Branched High Molecular Weight Polyethylene Glycol as Substrates for RNase H.," <i>Nucleosides &amp; Nucleotides</i> 18:2745-2750 (November-December 1999)	
9	CE	Yoon, S.T. <i>et al.</i> , "Both High and Low Avidity Antibodies to the T Cell Receptor Can Have Agonist or Antagonist Activity," <i>Immunity</i> 1:563-569 (October 1994)	

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